

[METHOD AND ARRANGEMENT FOR HEAT TREATMENT BEFORE THE EXECUTION OF SPRAY- FORM TECHNIQUES]

Abstract of Disclosure

A method for implementing pre-heat treatment before spray forming begins to achieve stress control in the manufacture of a spray formed metallic article involves preheating either or both of a spray forming cell environment and a mold substrate, initiating application of the metallic spray forming material onto the mold substrate, and causing substantially homogenous initial metallic phase transformations from the austenite phase via a predetermined relationship between the initial application temperature of the spray-forming material and the initial temperature of either or both of the preheated cell environment and the preheated mold substrate.

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Figures

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